

6/ Ua d/6 < chY`K]Yb! < Y]`][YbghUXh. ?ca Zcfh'hf]ZZh'Ui Z'i fVUbYg'@YVYb°

6/ Ua d/6 < chY`K]Yb! < Y]`][YbghUXh`YfÒZZbYh`&\$&) ž`V]YhYh a cXYfbYb`?ca Zcfh`bU\Y`8cbUi i bX`?U\`YbVYf[ž`]XYU``ZØf ; YgWXÀZhqfY]qYbXY`i bX`Hci f]qhYb"



K]Yb! < Y]`][YbghUXhž'² ghYffY]W\ '! '\ TK]Yb! < Y]`][YbghUXh'hi h g]W\ '[YfUXY 'Y]b][Yg']a '6YfY]W\ 'XYf' < chY``Yf]Y" '8 Ug'bYi Y'6/6 < chY``K]Yb! < Y]`][YbghUXh'V]YhYh'Ui Z'%\\$'N]a a Yfb'b]W\ h'bi f a cXYfbYb'? ca ZcfhžgcbXYfb'Ui W\ 'Y]bYb'X]fY_hYb'Ni [Ub['ni i fVUbYb': fY]nY]hU_h]j]h\ hYb'i bX'[YgW\ \AZh`]W\ Yb'9]bf]W\ hi b[Yb" 8]Y'j Yf_Y\fg[\Øbgh][Y'@U[Y'bU\Y'XYa '8cbUi i ZYf'gck]Y'XYa ?U\ `YbVYf[']gh'Y]b'YW\ hYf'D`i gdi b_h'Z\Øf'U``Yž'X]Y'Yg'[YgW\ \AZh`]W\ cXYf'df]j Uh']b'X]Y'6i bXYg\Ui dhghUXh'n]Y\h"

 $8 \ Ug' < chY ``f] WX hY h'g] WX `gck c \ ``Ub'; YgWX \ AZhgfY] gYbXY `U`g`Ui WX `Ubi fVUbY': fY] nY] h[\ AghY'i bX']gh'XUa]h'Y] b 'YWX hY f'@] WX hV`] W_'] a K]YbYf'GhUXhhY]``< Y]`][YbghUXhž'XYf'ZØf'gY] bY'WX Ufa UbhY A]gWX i b[`Ui g``\ AbX`] WX Yf' \ Xm`Y'i bX'i fVUbYa '@YVYb'VY_Ubbh']gh''$

±b 'XYf'I a [YVi b['`UXYb 'X]Y 'a U`Yf]gW\Yb 'K Y]bVYf[Y'i bX hfUX]h]cbY``Yb ' < Yi f][Yb 'XUni 'Y]bž'X]Y 'K]YbYf'; Ya Øh`]W_Y]h'ni [Yb]Y» Ybž'k À\fYbX'X]Y '5bV]bXi b['Ub 'X]Y '5&&'i bX'XUg'ghÀXh]gW\Y JYf_Y\fgbYhn'ZØf'gW\bY``Y'K Y[Y']bg'GhUXhnYbhfi a 'gcf[h"

A cXYfbY'5i gghUhhi b['i bX': i b_h]cbU`]hÀh

8 Ugʻ6/6'<chY`dib_hYha]hY]bYa 'XifWXUWXhYbžacXYfbYb?cbnYdh" \XXYgʻN]a a Yfʻ]ghʻa]hY]bYfʻ?`]a UUb`U[YžgWXU``]gc`]YfhYb: YbghYfbžY]bYa '@78!HJ'i bX'_cghYb`cgYa 'K @5B'Ui g[YghUhhYh"5i WX'XUgʻ: fØ\ghØW_gVi ZZYh``Aggh`_Y]bY'K ØbgWXY'cZZYb'i bX'V]YhYhY]bY'J]Y`nU\``Ub'Zf]gWXYb'i bX'gWXa UW_\UZhYb'; Yf]WXhYb'': Øf`XYb_`Y]bYb'<ib[Yfʻnk]gWXYbXi fWX'[]VhYg'Y]bYb'&(!Ghi bXYbGbUW_Ui hca UhYb']b'XYf`@cVVm''8]Y'; AghY'_ObbYb'ni XYa'j cbY]bYa'i b_ca d`]n]YfhYb'7\YW_!]b'dfcZ]h]YfYbž'XYf'X]Y'5bfY]gYYf`Y]WXhYfh'

8]Y'cdYfUh]j Y'@Y]hi b['XYg'bYi Yb'GhUbXcfhg'\Uh'X]Y'@UfYgY <chY`a UbU[Ya Ybh/'7cbgi `h]b['i bhYf'XYf': Ø\fi b['j cb'GUbXfc @UfYgY'ØVYfbca a Yb"'8Ug'I bhYfbY\a Yb'\Uh'[fc»Yg'DchYbn]U`']a ÒghYffY]W\]gW\Yb'A Uf_h'Yf_Ubbhž'XYf'g]W\'U`g'ghfUhY[]gW\'k]W\h][ZØf'XUg'K UW\\ghi a 'XYf'6/6' <chY`g'Yfk Y]gh" = 'Ni [Y'X]YgYf 9I dUbg]cb'd`Ubh'XUg'I bhYfbY\a Ybž'V]g'&\$' \$'g][b]Z]_Ubh']a XYi hgW\\gdfUW\][Yb'FUi a 'ni 'k UW\\gYb' 'Y]b'J cf\UVYbž'XUg'j]Y'Y <chY`[ÀghY'i bX'!`]YV\UVYf'VY[Y]ghYfh"

$8 Yf' < chY`a Uf_h']b'^2 ghYffY]W$

K]Y 'GhUh]ghU 'VYf]W hY hž gd]Y `h'X]Y '< chY ``Yf]Y 'Y]bY 'nYbhfU`Y 'F c ``Y

]a '6Y\YfVYf[i b[g[Yk YfVY'2 ghYffY]W g" =a '\text{\frac{1}{2}}\frac{1}{2}\text{\frac{1}{2}}\text{\frac{1}{2}}\frac{1}{2}\text{\frac{1}{2}}\text{\fr

#bg[YgUa h'g]bX'a Y\f'U`g'%%"*\$\$'<chY`i bhYfbY\a Yb']b'² ghYffY]W\
h\[Ah][\(\frac{z}{z} \text{X}] \(\frac{y}{z} \text{D} \)]Y`nU\``Ub'C dh]cbYb'Z\[Øf'X]j YfgY'6YX\[ØfZb]ggY\
UbV]YhYb"'5b[Yg]W\[hg'XYf'ghY][YbXYb'; \[AghYnU\`Yb'i bX'XYf\]
dcg]h]j Yb'k]fhgW\[UZh`]W\[Yb'? YbbnU\`Yb'k]fX'_`Ufz'XUgg'XYf\]
<chY`a Uf_h']b'² ghYffY]W\[k Y]hYf'k \[AW\[Sh'i bX'g]W\[k UbXY`h'\]
]bgVYgcbXYfY']b'i fVUbYb'\[@U[Yb'k]Y'K]Yb!<Y]`][YbghUXh''</pre>

8 Ug·6/6'< chY`K]Yb!< Y]`][YbghUXh·gYhnh·XUfUi Zž·X]YgYb·HfYbX·ni bi hnYb i bX·gY]bYb'; ÀghYb Y]b UhhfU_h]j Ygž·_ca ZcfhUV`YgʻNi \Ui gY Ui ZʻNY]h·ni 'V]YhYb"·K YfʻUʻgc Ui ZʻXYfʻGi WXYʻbUWX Y]bYa 'nYbhfU`Yb i bX·a cXYfbYb'< chY``]b`K]Ybʻ]ghž·XYfʻgc``hY`Y]bYbʻ6`]W_`Ui ZʻX]YgYb bYi Yb'< chgdch·k YfZYb"

8 Y hU]`g	
Cfh	K]Yb! <y]`][ybghuxhž<sup>·2 ghYffY]WX</y]`][ybghuxhž<sup>
EiY``Yb	• k k k "[Ugh"Uh
	• k k k "\chY`!VV"Wca
	XY"ghUh]ghU"Wca

6 Ygi W Yb G]Y i bg Ui Z a Y]b!k]Yb bYh